

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
2 December 2004 (02.12.2004)

PCT

(10) International Publication Number  
**WO 2004/104171 A3**

(51) International Patent Classification<sup>7</sup>:

**G01N 33/53**

(21) International Application Number:

PCT/US2004/015145

(22) International Filing Date: 13 May 2004 (13.05.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/470,766 14 May 2003 (14.05.2003) US

(71) Applicant (*for all designated States except US*): EX-ELIXIS, INC. [US/US]; P.O. Box 511, 170 Harbor Way, South San Francisco, CA 94083-0511 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): SONG, Chunyan [CN/US]; 95 Behr Avenue, San Francisco, CA 94131 (US). OLLMANN, Michael, Martin [US/US]; 8 Odessa Court, Redwood City, CA 94063 (US). LICKTEIG, Kim [US/US]; 1921 Grove Street, San Francisco, CA 94117 (US).

(74) Agents: SHAYESTEH, Laleh et al.; Exelixis, Inc., P.O. Box 511, 170 Harbor Way, South San Francisco, CA 94083-0511 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:  
9 June 2005

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

WO 2004/104171 A3

(54) Title: RANBP2 AS MODIFIER OF THE PTEN/IGF PATHWAY AND METHODS OF USE

(57) Abstract: Human RANBP2 genes are identified as modulators of the PTEN/IGF pathway, and thus are therapeutic targets for disorders associated with defective PTEN/IGF function. Methods for identifying modulators of PTEN/IGF, comprising screening for agents that modulate the activity of RANBP2 are provided.

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US04/15145

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G01N 33/53  
US CL : 435/7.1

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/7.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EAST, Dialog

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SEEWALD, M.J. et al. Biochemical Characterization of the Ran-RanBP1-RanGAP System: Are RanBP Proteins and the Acidic Tail of RanGAP Required for the Ran-RanGAP GTPase Reaction? Molecular and Cellular Biology, November, 2003, Vol. 23, No. 22, pages 8124-8136.	1-25
A	VAZQUEZ, F. et al. Phosphorylation of the PTEN Tail Regulates Protein Stability and Function. Molecular and Cellular Biology, July 2000, Vol. 20, No. 14, pages 5010-5018.	1-25

Further documents are listed in the continuation of Box C.

See patent family annex.

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Date of the actual completion of the international search

11 April 2005 (11.04.2005)

Date of mailing of the international search report

18 APR 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Faxsimile No. (703) 305-3230

Authorized officer

Karen Cochrane Carlson, Ph.D.

Telephone No. 571-272-0700

Form PCT/ISA/210 (second sheet) (January 2004)

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